

**Burns & McDonnell Engineering Company**

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**TRANSMITTAL MEMORANDUM**

To: MDNR – Hazardous Waste Program P.O. Box 176 1730 Elm Street (Lower Level) Jefferson City, MO 65101 (65102 PO Box)		Date: 4/07/2017 Project: Polynt Composites USA Inc. North Kansas City, Missouri  Via: FedEx  Subject: 2016 Progress Report BMcD Project Number: 92188
Attention: Richard Nussbaum		
We are transmitting:		
No. of copies	Description	
1 Hard Copy	2016 Progress Report Polynt Composites USA Inc. North Kansas City Facility EPA ID# MOD086787371	

Copies to:     Records/File  
                  Project Manager

1 Hard Copy  
Mike Dandurand  
USEPA Region 7  
Mail Code: AWMDRCAP  
11201 Renner Boulevard  
Lenexa, KS 66219

Electronic Copies  
Robert Usab – EHS Director  
Polynt Composites USA Inc.  
99 East Cottage Avenue  
Carpentersville, IL 60110

1 Hard Copy  
Sushmita Sharma, P.E.  
Permits Section, Hazardous Waste Program  
MDNR  
500 NE Colbern Road  
Lee's Summit, MO 64086

RCRA 4/10/2017



**RECEIVED**

**APR 10 2017**

**AWMD/WRAP IO**

By: Daniel Earhart, Project Manager  
dpearhart@burnsmcd.com

Page 1 of 1



**Polynt Composites USA Inc.**  
99 East Cottage Avenue  
Carpentersville, IL 60110  
United States  
Phone: +1 800 322 8103  
[www.polynt.com](http://www.polynt.com)

April 3, 2017

Mr. Richard Nussbaum, P.E., P.G.  
Chief, Permits Section  
MDNR, Hazardous Waste Program  
P.O. Box 176  
1730 Elm Street (Lower Level)  
Jefferson City, MO 65101 (65102 PO Box)

**RE: 2016 Progress Report**  
Polynt Composites USA, Inc.  
North Kansas City, Missouri  
EPA ID MOD086787371

Dear Mr. Nussbaum:

Enclosed please find the 2016 Progress Report for the Polynt Composites USA, Inc. (Polynt) North Kansas City facility. This Progress Report is required per the Letter of Agreement (LOA) to implement an Expedited Corrective Action Program (executed by MDNR, 12/31/01). The Progress Report includes a summary of activities conducted during 2016. Polynt looks forward to continued work with MDNR under the Expedited Corrective Action Program. Please contact me at 847-836-3730 with any questions on this Quarterly Progress Report.

Sincerely,  
**Polynt Composites USA, Inc.**

A handwritten signature in black ink, appearing to read "Robert Usab".

Robert Usab  
EHS Manager

**RECEIVED**

**APR 10 2017**

**AWMD/WRAP IO**





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cc:

Mike Dandurand  
USEPA Region 7  
Mail Code: AWMDRCAP  
11201 Renner Boulevard  
Lenexa KS 66219

Daniel Earhart  
Burns & McDonnell  
9400 Ward Parkway  
Kansas City, MO 64114

Sushmita Sharma, P.E.  
Permits Section, Hazardous Waste Program  
MDNR  
500 NE Colbern Road  
Lee's Summit, MO 64086

Enclosures: 2016 Progress Report

## **2016 Progress Report**

**Polynt Composites USA Inc.  
North Kansas City Facility  
EPA ID MOD086787371**

**April 03, 2017**

**RECEIVED**

**APR 10 2017**

**AWMD/WRAP IO**



## 2016 Progress Report

### **I. Description of Work Completed**

#### **Background**

On December 31, 2001, the Missouri Department of Natural Resources (MDNR) and Cook Composites and Polymers Co.(CCP) (currently Polynt Composites USA Inc.) signed a Letter of Agreement (LOA) to enter the Expedited Corrective Action Program (ECAP) for the North Kansas City Facility. The LOA was entered into voluntarily between CCP and MDNR to allow CCP to move forward with RCRA corrective action activities, while providing opportunities for MDNR review and approval of submittals. As outlined in the LOA, the objectives of MDNR and CCP regarding corrective action activities are as follows (MDNR, 2001):

- Perform Interim Measures at the Facility to abate threats to human health and/or the environment, as necessary.
- Perform a Resource Conservation and Recovery Act (RCRA) facility investigation (RFI) to investigate potential hazardous waste and/or hazardous constituents at or from the facility.
- Perform a Corrective Measures Study (CMS), as determined by the RFI, to identify and evaluate corrective measures alternatives, as necessary, to prevent, mitigate, and/or remediate any releases of hazardous waste or hazardous constituents at or from the Facility.
- Implement corrective measures or other measures proposed by CCP at the Facility, as deemed necessary by CCP and MDNR following the CMS.

The MDNR and United States Environmental Protection Agency (USEPA) approved the *Final RCRA Facility Investigation Report, Cook Composites and Polymers Co.* (RFI Report) (Burns & McDonnell, 2008) with modification in September 2010 (MDNR, 2010). The modification required that CCP perform additional investigation, supplemental to the RFI, to determine the vertical extent of groundwater contamination at the Facility. The *Supplemental Groundwater Investigation Report, Cook Composites and Polymers Co., North Kansas City, Missouri* (Burns & McDonnell, 2012) was submitted to MDNR in February 2012.

A meeting was held on April 8, 2010 at MDNR's offices in Jefferson City to discuss the anticipated path forward to meeting the ECAP LOA requirements. MDNR and CCP agreed that the next step in the corrective action process following completion of the RFI and any supplemental RFI activities was a human health risk assessment (HHRA) using USEPA Risk Assessment Guidance for Superfund (RAGS) format. Once the Facility completes the risk assessment process, the corrective measures study (CMS) should highlight any previous removal activities for the record (i.e., removal of soils during construction of Powder Coat Building), any areas of additional recommended remediation, and a draft version of the Environmental Covenant to be attached to the Facility's deed in accordance with the Missouri Environmental Covenants Act.

Groundwater monitoring has been conducted at the Facility since 2003. This monitoring was initially performed as part of RFI activities. The current groundwater monitoring program at the former CCP facility is an informal sampling that is being performed to add to information obtained during the RFI and assist with future development of human health / ecological risk assessments and corrective measures decisions. The following groundwater sampling events have been conducted:

<b>Sampling Round</b>	<b>Sample Collection</b>	<b>Sample Reporting</b>
1	March 2003	Final RFI Report
2	June 2004	Final RFI Report
3	September 2004	3rd Quarter 2004 Progress Report / Final RFI Report
4	July 2005	3rd Quarter 2005 Progress Report / Final RFI Report
5	December 2005	1st Quarter 2006 Progress Report / Final RFI Report
6	November 2006	4th Quarter 2006 Progress Report / Final RFI Report
7	May 2007	2nd Quarter 2007 Progress Report / Final RFI Report
8	January 2008	1st Quarter 2008 Progress Report / Final RFI Report
9	July 2008	3rd Quarter 2008 Progress Report
10	March 2009	1st Quarter 2009 Progress Report
11	September 2009	3rd and 4th Quarters 2009 Progress Reports
12	March 2010	1st Quarter 2010 Progress Report
13	September 2010	3rd Quarter 2010 Progress Report
14	March 2011	Groundwater Monitoring Report, March 2011 Event
15	September 2011	Groundwater Monitoring Report, September 2011 Event
16	April 2012	Groundwater Monitoring Report, April 2012 Event
17	September 2012	Groundwater Monitoring Report, September 2012 Event
18	March 2013	1 <sup>st</sup> Half 2013 Groundwater Monitoring Report , March and June 2013 Events
19	June 2013	
20	September 2013	2 <sup>nd</sup> Half 2013 Groundwater Monitoring Report, September and December 2013 Events
21	December 2013	
22	December 2014	2014 Groundwater Monitoring Report
23	September 2015	2015 Groundwater Monitoring Report, September and December 2015 Events
24	December 2015	
25	June 2016	Groundwater Monitoring Report, 2 <sup>nd</sup> and 3 <sup>rd</sup> Quarter 2016 Sampling Events
26	September 2016	
27	December 2016	Groundwater Monitoring Report, 4 <sup>th</sup> Quarter 2016 and 1 <sup>st</sup> Quarter 2017 Sampling Events (to be submitted 2 <sup>nd</sup> Quarter 2017)

Well repair and maintenance activities outlined in the *Groundwater Monitoring Report, September 2011 Sampling Event, Cook Composites and Polymers Co., North Kansas City, Missouri* were performed in June 2012. The Building 57 Well, which is presumed to be a former production well, was also abandoned and plugged per MDNR regulations and capped with concrete to grade during these activities.

Light nonaqueous phase liquid (LNAPL) was observed in Monitoring Well MW-10 during the September 2010 sampling event. LNAPL was bailed by Burns & McDonnell Engineering Company, Inc. (BMcD) personnel from Monitoring Well MW-10 periodically from September 2010 through February 2011. The last measureable LNAPL was observed in Monitoring Well MW-10 in February 2011, and sheen was observed in April 2011. LNAPL has not been observed in Monitoring Well MW-10 since April 2011.

Monitoring Wells MW-8D, MW-9D, and MW-10D were installed with screened intervals 55 to 65 feet below ground surface (bgs) adjacent to Monitoring Wells MW-8, MW-9, and MW-10 in March 2013. These wells were added into the Facility groundwater monitoring network as outlined in the *Final Quality Assurance Sampling and Analysis Plan (QA SAP) for Deep Monitoring Wells* (BMcD, 2012) and were sampled quarterly in 2013.

A review paper, which evaluates the natural occurrence of arsenic and manganese in the Missouri River Alluvium and associated groundwater as compared to on-site groundwater concentrations, was transmitted to MDNR on December 5, 2013.

On December 8, 2015, Polynt and BMcD met with MDNR to discuss a path forward for ECAP activities at the Facility. The current status of the groundwater monitoring program was discussed, including identified data gaps. Polynt proposed installation of four monitoring wells to be screened at the bedrock contact to further assess the vertical extent of groundwater contamination at the Facility. In addition to the installation of the monitoring wells to the bedrock contact, Polynt proposed installation of two additional shallow monitoring wells (35 feet bgs) to the existing monitoring well network to address data gaps in the southeastern and south central portions of the Facility. The focus of these activities is delineation of groundwater impacts resulting from historic site operations. Once data gaps are addressed, future activities may include human health risk assessment and evaluation of corrective measure alternatives.

### **Current Activities**

- Polynt submitted the *Final Quality Assurance Sampling and Analysis Plan (QA SAP) for 2016 Groundwater Investigation and Monitoring* (BMcD, 2016) in the first quarter of 2016. MDNR approved the QA SAP in a letter dated March 25, 2016. The following activities were performed in June 2016 in accordance with the requirements of the QA SAP:
  - Two monitoring wells (Monitoring Well MW-13 and MW-14) were installed with screened intervals 25 to 35 feet bgs. Four monitoring wells were installed to the bedrock contact and were screened at the following intervals: 135 to 145 feet bgs (MW-12DD), 131 to 141 feet bgs (MW-13DD), 118 to 128 feet bgs (MW-15DD),

and 130 to 140 feet bgs (MW-16DD). Well installation and development occurred from June 01 – June 09, 2016.

- Polynt submitted the *Groundwater Monitoring Report, 2015 Sampling Events, Polynt Composites USA Inc., North Kansas City, Missouri*, which describes includes results from the September and December 2015 sampling events during the 2<sup>nd</sup> Quarter 2016.
- Groundwater sampling events were conducted during the 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> Quarters of 2016.
- A list of groundwater and associated quality control (QC) samples for the 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> Quarters 2016 are provided on Table 1.

## **II. Summary of Findings - Field Activities**

Groundwater sampling events was performed during the 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> Quarters of 2016. BMcD personnel conducted the groundwater sampling. A description of the field activities and analytical results for the 2<sup>nd</sup> and 3<sup>rd</sup> sampling events will be provided in the *Groundwater Monitoring Report, 2<sup>nd</sup> and 3<sup>rd</sup> Quarter 2016 Sampling Events, Polynt Composites USA Inc., North Kansas City, Missouri*. This report will be provided under separate cover in the 1<sup>st</sup> quarter of 2017, and include results from the 2<sup>nd</sup> and 3<sup>rd</sup> quarter sampling events.

A description of the field activities and analytical results for the 4<sup>th</sup> quarter sampling event will be provided in the *Groundwater Monitoring Report, 4<sup>th</sup> Quarter 2016 and 1<sup>st</sup> Quarter 2017 Sampling Events, Polynt Composites USA Inc., North Kansas City, Missouri*. This report will be provided under separate cover in the 2<sup>nd</sup> quarter of 2017.

A summary of the samples collected in the 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> quarter 2016 is provided on Table 1. A summary of the results from the 2<sup>nd</sup> and 3<sup>rd</sup> quarter sampling events is provided on Table 2.

## **III. Summary of Problems Encountered and Response Actions**

During the 2nd Quarter 2016 Sampling Event, inspection of Monitoring Well MW-8D, indicated that an obstruction was present at approximately 6.7 feet bgs. As a result, Monitoring Well MW-8D was not sampled during the 2nd Quarter 2016 Sampling Event. On September 16, 2016, the Monitoring Well MW-8D well pad was removed and the break in the PVC was inspected. The remaining PVC was broken such that a repair could not be made. As a result, Monitoring Well MW-8D was abandoned per Missouri Regulations (10CSR 23-4.080). The monitoring well abandonment form is provided as Attachment 1.

LNAPL was observed at Monitoring Well MW-10 when collecting groundwater elevation measurements on September 15, 2016. A sample of the LNAPL was collected on September 21, 2016, and submitted to Apex Forensics of Tigard, Oregon (Apex) for forensics analysis. Sample analysis was conducted to characterize the material and will be used in an effort to identify potential source. Following sample collection of LNAPL from Monitoring Well MW-10, the remaining LNAPL was removed from the well with a bailer. Groundwater and/or LNAPL levels will be

monitored on a monthly basis, and if present, LNAPL will be removed from the well. Due to the presence of LNAPL or a sheen, groundwater samples were not collected from Monitoring Well MW-10 during the 3<sup>rd</sup> and 4<sup>th</sup> Quarters 2016 Sampling Events.

#### **IV. Deviations from Work Plans or Schedules**

Groundwater samples were not collected from Monitoring Well MW-8D during the 2<sup>nd</sup>, 3<sup>rd</sup>, or 4<sup>th</sup> Quarter 2016 Sampling Events due to well damage resulting in abandonment. Groundwater samples were not collected from Monitoring Well MW-10 during the 3<sup>rd</sup> and 4<sup>th</sup> Quarter 2016 Sampling Events due to the presence of LNAPL.

#### **V. Projected Work for Next Reporting Period**

The following activities are planned during the 1st quarter 2017:

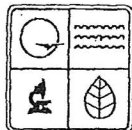
- Submittal of *Groundwater Monitoring Report, 2<sup>nd</sup> and 3<sup>rd</sup> Quarter 2016 Sampling Events, Polynt Composites USA Inc., North Kansas City, Missouri*. This report will include results from the 2<sup>nd</sup> and 3<sup>rd</sup> Quarter 2016 Sampling Events.
- A sampling event utilizing low-flow techniques will be conducted in the 1<sup>st</sup> Quarter 2017. Table 3 outlines the planned sampling event for the Facility monitoring wells.

#### **List of Attachments**

Attachment 1 Monitoring Well Abandonment Form

Table 1	2 <sup>nd</sup> , 3 <sup>rd</sup> , and 4 <sup>th</sup> Quarter 2016 Sampling Events Collection Summary
Table 2	Groundwater Analytical Results, 2 <sup>nd</sup> and 3 <sup>rd</sup> Quarter 2016 Sampling Events
Table 3	1 <sup>st</sup> Quarter 2017 Groundwater Sampling Plan

**ATTACHMENT 1**



MISSOURI DEPARTMENT OF NATURAL  
RESOURCES  
GEOLOGICAL SURVEY PROGRAM  
**MONITORING WELL PLUGGING  
REGISTRATION RECORD**

**OFFICE USE ONLY**

REF. NO.

C.R. NO.

STATE WELL NUMBER

ENTERED

Ph1

Ph2

Ph3

DATE RECEIVED

CHECK NO.

TRANSMITTAL NO.

APPROVED BY

DATE APPROVED

ROUTE

**INFORMATION SUPPLIED BY WELL OR PUMP INSTALLATION CONTRACTOR**

OWNER NAME Polynt Composites USA, Inc.		TELEPHONE NUMBER		VARIANCE NUMBER (IF APPLICABLE) N/A
OWNER ADDRESS 100 East Cottage Avenue	CITY Carpentersville	STATE IL	ZIP CODE 60110	
ADDRESS OF WELL SITE 920 E. 14th Avenue	CITY North Kansas City	STATE MO	ZIP CODE 64116	REFERENCE NUMBER OF ORIGINAL WELL (IF KNOWN)
SITE NAME Polynt Composites Facility	WELL NUMBER MW-8D	DATE 09/16/2016		N/A
LOCATION OF WELL LAT. 39 ° 8 ' 10.6 "	DRILL AREA	SMALLEST LARGEST _____ ¼ _____ ¼ _____ ¼		
LONG. 94 ° 34 ' 11.5 "	COUNTY Clay	Sec. _____ Township _____ North Range _____	<input type="checkbox"/> East <input type="checkbox"/> West	

**PLUGGING INFORMATION**

ORIGINAL DRILLER (IF KNOWN) Cascade	DATE ORIGINALLY DRILLED 03/18/2013	STATIC WATER LEVEL	DRILLER NOTES
--	--	--------------------	---------------

<input checked="" type="checkbox"/> <b>MONITORING WELL</b>		<input type="checkbox"/> <b>SOIL BORING(S)</b>		Boring Diameter: _____ IN.
DEPTH OF WELL 66.88 FT.	LENGTH OF RISER 56.88 FT.	QUANTITY	DEPTH	TYPE OF FILL MATERIAL <input type="checkbox"/> Gravel <input type="checkbox"/> Sand <input checked="" type="checkbox"/> Other
SCREEN/RISER DIAMETER 2 IN.	WELL SCREEN AND RISER REMOVED? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			AMOUNT OF FILL USED None <input type="checkbox"/> TONS <input type="checkbox"/> CUBIC YARDS
PUMP AND SAMPLING EQUIPMENT REMOVED? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A <input type="checkbox"/> No	CASING REMOVED? <input type="checkbox"/> Yes <input type="checkbox"/> N/A <input checked="" type="checkbox"/> No	TOTAL _____ BORING(S)	TOTAL _____ FT.	DEPTH TO TOP OF FILL None FT.

GROUT INSTALLATION METHOD <input checked="" type="checkbox"/> Gravity <input type="checkbox"/> Tremie <input type="checkbox"/> Excavation	GROUT MATERIAL USED Neat Cement Bentonite <input type="checkbox"/> Hi-Early <input type="checkbox"/> Slurry <input type="checkbox"/> Granular <input type="checkbox"/> Pellets <input type="checkbox"/> Type 1 <input checked="" type="checkbox"/> Chips <input type="checkbox"/> Other _____	HOW MANY GALLONS OF WATER MIXED PER BAG OF CEMENT OR BENTONITE? 2 <input checked="" type="checkbox"/> Hydrated to Saturation	TOTAL NUMBER OF BAGS OF GROUT USED 3 POUNDS OF GROUT PER BAG 50
---	--	--	--

DATE 1 <sup>st</sup> WELL PLUGGED 09/16/2016	DATE LAST WELL PLUGGED 09/16/2016	FINISHED SURFACE MATERIAL <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Concrete <input type="checkbox"/> Asphalt <input type="checkbox"/> Other	SURFACE MATERIAL LENGTH _____ FT. 6 IN.
---	--------------------------------------	--	---

REMARKS	REASON FOR ABANDONMENT Well was damaged during demolition of a nearby structure. Well repair attempt was unsuccessful due too subsurface foundation structures. Well pipe cut off ~4-feet below ground surface and grouted.
---------	--

I hereby certify that the monitoring well herein described was plugged in accordance with the Department of Natural Resources requirements for the plugging of wells.

SIGNATURE (PRIMARY CONTRACTOR) 	SIGNATURE (CONTRACTOR) 	PERMIT NUMBER 002241M	DATE 10/07/2016
PERMIT NUMBER 005096-M	DATE 10/07/2016	SIGNATURE (APPRENTICE)	PERMIT NUMBER DATE

MO-780-2161 (1-12)

REMIT TO: MISSOURI DEPARTMENT OF NATURAL RESOURCES, DIVISION OF GEOLOGY AND LAND SURVEY  
WELLHEAD PROTECTION SECTION, PO BOX 260, ROLLA, MO 65402 573-368-2165

ENCLOSE \$50 FEE WITH REGISTRATION RECORD WITHIN 60 DAYS AFTER WELL PLUGGING OR WITHIN 180 DAYS AFTER THE PLUGGING OF TEMPORARY WELLS

## TABLES



**Table 1**  
**Groundwater Collection Summary**  
**2nd,3rd, and 4th Quarter 2016 Sampling Events**  
*Polynt Composites USA, Inc. - North Kansas City, Missouri*

Sample ID	Date Sampled	Total Metals	VOCs	SVOCs	1,4-Dioxane	Comments
		SW-846 6010A/ 7470A	SW-846 8260	SW-846 8270	SW-846 8270	
2nd Quarter 2016 Sampling Event						
Monitoring Well Samples						
MW-1 / GW24	28-Jun-16	X	X		X	June 2016 - Site Specific MS/MSD
MW-2A / GW24	29-Jun-16	X	X	X	X	
MW-3 / GW24	27-Jun-16	X	X		X	
MW-4 / GW24	27-Jun-16	X	X		X	
MW-5 / GW24	28-Jun-16	X	X		X	
MW-6 / GW24	28-Jun-16	X	X		X	
MW-7 / GW24	28-Jun-16	X	X		X	
MW-8 / GW 24	30-Jun-16	X	X		X	
MW-8D / GW 24	--	--	--		--	Sample Not Collected
MW-9 / GW24	30-Jun-16	X	X	X	X	
MW-9D / GW24	30-Jun-16	X	X	X	X	
MW-10 / GW24	01-Jul-16	X	X		X	
MW-10D / GW24	30-Jun-16	X	X		X	
MW-11 / GW24	27-Jun-16	X	X		X	
MW-12 / GW 24	29-Jun-16	X	X		X	
MW-12DD / GW 24	29-Jun-16	X	X		X	
MW-13 / GW 24	29-Jun-16	X	X		X	
MW-13DD / GW 24	30-Jun-16	X	X		X	
MW-14 / GW 24	29-Jun-16	X	X	X	X	
MW-15DD / GW 24	28-Jun-16	X	X		X	
MW-16DD / GW 24	28-Jun-16	X	X		X	
Investigation-Derived Waste Samples						
IDW Drum #1 / GW24	30-Jun-16	X	X	X	X	Investigation-Derived Waste (MW-10 Redevelopment)
IDW Drum #2 / GW24	30-Jun-16	X	X	X	X	Investigation-Derived Waste (MW-10 Redevelopment)
Frac Tank / GW24	01-Jul-16	X	X	X	X	Investigation-Derived Waste (Monitoring Well Development and Purge Water)
Field Quality Control Samples						
S99-DS / GW24	30-Jun-16	X	X	X	X	Field Duplicate of MW-9/GW24
S99-DS3 / GW24	28-Jun-16	X	X		X	Field Duplicate of MW-15DD/GW24
MW-14 / GW24R	29-Jun-16	X	X	X	X	Equipment Rinsate of MW-14/GW24
TB/06272016	27-Jun-16		X			Trip Blank
TB/07012016	01-Jul-16		X			Trip Blank

**Table 1**  
**Groundwater Collection Summary**  
**2nd,3rd, and 4th Quarter 2016 Sampling Events**  
*Polynt Composites USA, Inc. - North Kansas City, Missouri*

Sample ID	Date Sampled	Total Metals	VOCs	SVOCs	1,4-Dioxane	Comments
		SW-846 6010A/ 7470A	SW-846 8260	SW-846 8270	SW-846 8270	
3rd Quarter 2016 Sampling Event						
Monitoring Well Samples						
MW-1 / GW25	20-Sep-16	X	X		X	
MW-2A / GW25	21-Sep-16	X	X	X	X	September 2016 - Site Specific MS/MSD
MW-3 / GW25	20-Sep-16	X	X		X	
MW-4 / GW25	19-Sep-16	X	X		X	
MW-5 / GW25	20-Sep-16	X	X		X	
MW-6 / GW25	20-Sep-16	X	X		X	
MW-7 / GW25	21-Sep-16	X	X		X	
MW-8 / GW25	22-Sep-16	X	X		X	
MW-8D / GW25	--	--	--		--	MW-8D abandoned prior to 3rd Quarter Sampling Event
MW-9 / GW25	22-Sep-16	X	X	X	X	
MW-9D / GW25	22-Sep-16	X	X	X	X	
MW-10D / GW25	22-Sep-16	X	X		X	
MW-11 / GW25	20-Sep-16	X	X		X	
MW-12 / GW25	21-Sep-16	X	X		X	
MW-12DD / GW25	21-Sep-16	X	X		X	
MW-13 / GW25	22-Sep-16	X	X		X	
MW-13DD / GW25	22-Sep-16	X	X		X	
MW-14 / GW25	21-Sep-16	X	X	X	X	
MW-15DD / GW25	20-Sep-16	X	X		X	
MW-16DD / GW25	20-Sep-16	X	X		X	
Investigation-Derived Waste Samples						
IDW Drum #1 / GW25	22-Sep-16	X	X	X	X	Investigation-Derived Waste
IDW Drum #2 / GW25	22-Sep-16	X	X	X	X	Investigation-Derived Waste
Field Quality Control Samples						
S99-DS2 / GW25	22-Sep-16	X	X	X	X	Field Duplicate of MW-9/GW25
S99-DS3 / GW25	20-Sep-16	X	X		X	Field Duplicate of MW-15DD/GW25
Rinsate / GW25R	22-Sep-16	X	X	X	X	Equipment Rinsate of MW-10D/GW25
Trip Blank	21-Sep-16		X			Trip Blank
Trip Blank	22-Sep-16		X			Trip Blank

**Table 1**  
**Groundwater Collection Summary**  
**2nd,3rd, and 4th Quarter 2016 Sampling Events**  
*Polynt Composites USA, Inc. - North Kansas City, Missouri*

Sample ID	Date Sampled	Total Metals	VOCs	SVOCs	1,4-Dioxane	Comments
		SW-846 6010A/ 7470A	SW-846 8260	SW-846 8270	SW-846 8270	
4th Quarter 2016 Sampling Event						
Monitoring Well Samples						
MW-1 / GW26	19-Dec-16	X	X		X	December 2016 - Site Specific MS/MSD
MW-2A / GW26	21-Dec-16	X	X	X	X	
MW-3 / GW26	19-Dec-16	X	X		X	
MW-4 / GW26	19-Dec-16	X	X		X	
MW-5 / GW26	20-Dec-16	X	X		X	
MW-6 / GW26	19-Dec-16	X	X		X	
MW-7 / GW26	20-Dec-16	X	X		X	
MW-8 / GW26	21-Dec-16	X	X		X	
MW-8D / GW26	--	--	--		--	MW-8D abandoned prior to 3rd Quarter Sampling Event
MW-9 / GW26	21-Dec-16	X	X	X	X	
MW-9D / GW26	21-Dec-16	X	X	X	X	
MW-10D / GW26	22-Dec-16	X	X		X	
MW-11 / GW26	19-Dec-16	X	X		X	
MW-12 / GW26	20-Dec-16	X	X		X	
MW-12DD / GW26	20-Dec-16	X	X		X	
MW-13 / GW26	21-Dec-16	X	X		X	
MW-13DD / GW26	21-Dec-16	X	X		X	
MW-14 / GW26	20-Dec-16	X	X	X	X	
MW-15DD / GW26	20-Dec-16	X	X		X	
MW-16DD / GW26	20-Dec-16	X	X		X	
Investigation-Derived Waste Samples						
IDW Drum #1 / GW26	19-Jan-17	X	X	X	X	Investigation-Derived Waste
IDW Drum #2 / GW26	19-Jan-17	X	X	X	X	Investigation-Derived Waste
IDW Drum #3 / GW26	19-Jan-17	X	X	X	X	Investigation-Derived Waste
Field Quality Control Samples						
S99-DS2 / GW26	21-Dec-16	X	X	X	X	Field Duplicate of MW-9/GW26
S99-DS3 / GW26	20-Dec-16	X	X		X	Field Duplicate of MW-15DD/GW26
Rinsate / GW26R	22-Dec-16	X	X	X	X	Equipment Rinsate of MW-10D/GW26
Trip Blank	21-Dec-16		X			Trip Blank
Trip Blank	22-Sep-16		X			Trip Blank

ID = Identification

MS/MSD = Matrix Spike / Matrix Spike Duplicate

Metals = Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver, and Manganese

ALS = ALS Global of Houston, Texas - performed all analysis .

SVOC = Semivolatile Organic Compound

VOC = Volatile Organic Compound

**Table 2**  
**Groundwater Analytical Results**  
**2nd and 3rd Quarter 2016 Sampling Events**  
*Polynt Composites USA, Inc. - North Kansas City, Missouri*

		Total Metals (ug/L)								
		Arsenic	Barium	Cadmium	Chromium	Lead	Manganese	Mercury	Selenium	Silver
Groundwater Screening Level Screening Level Source		10 MCL	2,000 MCL	5 MCL	100 MCL	15 MCL	430 RSL	2 MCL	50 MCL	94 MCL
Shallow Monitoring Wells										
MW-1/GW24	6/28/2016	13.4	411	2.00 U	1.08 J	5.00 U	749	0.200 U	5.00 U	5.00 U
MW-1/GW25	9/20/2016	15.7	354	2.00 U	5.00 U	5.00 U	810	0.200 U	5.00 U	5.00 U
MW-2A/GW24	6/29/2016	35.2	618	2.00 U	5.00 JU	0.971 J	995	0.200 U	5.00 U	5.00 U
MW-2A/GW25	9/21/2016	38.1	657	2.00 U	5.00 U	1.15 J	1,070	0.200 U	5.00 U	5.00 U
MW-3/GW24	6/27/2016	11.0	192	2.00 U	0.730 J	5.00 U	1,200	0.200 U	5.00 U	5.00 U
MW-3/GW25	9/20/2016	12.7	203	2.00 U	5.00 U	5.00 U	1,510	0.200 U	5.00 U	5.00 U
MW-4/GW24	6/27/2016	2.64 J	216	2.00 U	0.675 J	5.00 U	697	0.200 U	5.00 U	5.00 U
MW-4/GW25	9/19/2016	5.00 U	169	0.207 J	5.00 U	5.00 U	261	0.200 U	1.60 J	5.00 U
MW-5/GW24	6/28/2016	2.49 J	179	2.00 U	0.595 J	5.00 U	1,000	0.200 U	5.00 U	5.00 U
MW-5/GW25	9/20/2016	1.63 J	228	2.00 U	5.00 U	5.00 U	581	0.200 U	5.00 U	5.00 U
MW-6/GW24	6/28/2016	26.9	218	2.00 U	0.792 J	5.00 U	856	0.200 U	5.00 U	5.00 U
MW-6/GW25	9/20/2016	23.4	153	2.00 U	5.00 U	5.00 U	1,040	0.200 U	5.00 U	5.00 U
MW-7/GW24	6/28/2016	51.4	831	2.00 U	0.753 J	5.00 U	873	0.200 U	5.00 U	5.00 U
MW-7/GW25	9/21/2016	127	934	2.00 U	5.00 U	1.82 J	908	0.200 U	5.00 U	5.00 U
MW-8/GW24	6/30/2016	81.8	370	2.00 U	0.845 J	5.00 U	567	0.200 U	5.00 U	5.00 U
MW-8/GW25	9/22/2016	66.1	406	2.00 U	5.00 U	5.00 U	477	0.200 U	5.00 U	5.00 U
MW-9/GW24	6/30/2016	303	450	0.533 J	1.15 J	5.58	675	0.200 U	2.04 J	5.00 U
S99-DS/GW24 (Dup)	6/30/2016	303	453	0.483 J	1.04 J	5.40	676	0.200 U	2.18 J	5.00 U
MW-9/GW25	9/22/2016	305	472	0.393 J	5.00 U	6.84	931	0.200 U	2.39 J	5.00 U
MW-10/GW24	6/30/2016	81.6	610	0.531 J	2.80 J	18.3	2,600 E	0.200 U	2.96 J	5.00 U
MW-11/GW24	6/27/2016	19.9	350	2.00 U	0.998 J	5.00 U	702	0.200 U	4.45 J	5.00 U
MW-11/GW25	9/20/2016	20.4	322	2.00 U	5.00 U	5.00 U	650	0.200 U	7.58	5.00 U
MW-12/GW24	6/29/2016	62.3	792	2.00 U	5.00 JU	0.652 J	1,250	0.200 U	5.00 U	5.00 U
MW-12/GW25	9/21/2016	107	890	0.260 J	3.70 J	9.97	1,830 E	0.200 U	5.00 U	5.00 U
MW-13/GW24	6/29/2016	21.2	642	0.217 J	12.7	5.65	884	0.200 U	5.00 U	5.00 U
MW-13/GW25	9/22/2016	268	462	2.00 U	3.12 J	2.52 J	365	0.200 U	5.00 U	5.00 U
MW-14/GW24	6/29/2016	22.3	209	2.00 U	5.00 JU	2.19 J	1,140	0.200 U	5.00 U	5.00 U
MW-14/GW25	9/21/2016	58.0	272	2.00 U	0.661 J	0.713 J	564	0.200 U	5.00 U	5.00 U

**Table 2**  
**Groundwater Analytical Results**  
**2nd and 3rd Quarter 2016 Sampling Events**  
*Polynt Composites USA, Inc. - North Kansas City, Missouri*

		Total Metals (ug/L)								
		Arsenic	Barium	Cadmium	Chromium	Lead	Manganese	Mercury	Selenium	Silver
Groundwater Screening Level		10	2,000	5	100	15	430	2	50	94
Screening Level Source		MCL	MCL	MCL	MCL	MCL	RSL	MCL	MCL	MCL
<b>Intermediate Monitoring Wells</b>										
MW-9D/GW24	6/30/2016	<b>0.791 J</b>	<b>818</b>	2.00 U	<b>0.671 J</b>	5.00 U	<b>371</b>	0.200 U	5.00 U	5.00 U
MW-9D/GW25	9/22/2016	<b>0.500 J</b>	<b>681</b>	2.00 U	5.00 U	5.00 U	<b>397</b>	0.200 U	5.00 U	5.00 U
S99-DS2/GW25 (Dup)	9/22/2016	<b>0.464 J</b>	<b>722</b>	2.00 U	5.00 U	5.00 U	<b>422</b>	0.200 U	5.00 U	5.00 U
MW-10D/GW24	7/1/2016	<b>0.906 J</b>	<b>789</b>	2.00 U	<b>0.720 J</b>	5.00 U	<b>356</b>	0.200 U	5.00 U	5.00 U
MW-10D/GW25	9/22/2016	<b>1.40 J</b>	<b>861</b>	2.00 U	<b>3.54 J</b>	<b>3.87 J</b>	<b>542</b>	0.200 U	5.00 U	5.00 U
<b>Deep Monitoring Wells</b>										
MW-12DD/GW24	6/29/2016	5.00 JU	<b>97.6</b>	2.00 U	5.00 JU	5.00 U	<b>403</b>	0.200 U	5.00 U	5.00 U
MW-12DD/GW25	9/21/2016	<b>4.80 J</b>	<b>137</b>	2.00 U	<b>10.4</b>	<b>3.12 J</b>	<b>543</b>	0.200 U	5.00 U	5.00 U
MW-13DD/GW24	6/30/2016	<b>2.18 J</b>	<b>143</b>	2.00 U	<b>5.40</b>	<b>0.618 J</b>	<b>1,040</b>	0.200 U	5.00 U	5.00 U
MW-13DD/GW25	9/22/2016	<b>2.17 J</b>	<b>153</b>	2.00 U	<b>4.94 J</b>	<b>1.16 J</b>	<b>799</b>	0.200 U	5.00 U	5.00 U
MW-15DD/GW24	6/28/2016	<b>3.11 J</b>	<b>363</b>	2.00 U	<b>4.46 J</b>	<b>2.32 J</b>	<b>818</b>	0.200 U	5.00 U	5.00 U
S99-DS3/GW24 (Dup)	6/28/2016	<b>1.87 J</b>	<b>344</b>	2.00 U	<b>2.86 J</b>	<b>1.91 J</b>	<b>694</b>	0.200 U	5.00 U	5.00 U
MW-15DD/GW25	9/20/2016	<b>0.557 J</b>	<b>466</b>	2.00 U	<b>0.864 J</b>	<b>0.821 J</b>	<b>400</b>	0.200 U	5.00 U	5.00 U
S99-DS3/GW25 (Dup)	9/20/2016	<b>0.708 J</b>	<b>471</b>	2.00 U	<b>1.07 J</b>	<b>0.722 J</b>	<b>404</b>	0.200 U	5.00 U	5.00 U
MW-16DD/GW24	6/28/2016	<b>4.72 J</b>	<b>160</b>	2.00 U	<b>4.54 J</b>	<b>1.15 J</b>	<b>677</b>	0.200 U	5.00 U	5.00 U
MW-16DD/GW25	9/20/2016	<b>9.13</b>	<b>210</b>	2.00 U	<b>6.43</b>	<b>2.63 J</b>	<b>590</b>	0.200 U	5.00 U	5.00 U

Notes:

Only constituents detected in 2016 Sampling Events, or Sampling Events previous to this year are presented on this table.

Data Qualifiers are described on Table 5-2.

Bold - Parameter was detected.

Shading - Value exceeds the screening level.

Groundwater screening levels are as follows:

1. If a parameter has an MCL, data is screened using the MCL.
2. If a parameter does not have an MCL, data is screened using the RSL.

b - Value is for 1,3-Dichloropropene, isomer not specified.

c - Value is for 4-methylphenol. Lab could not isolate 3-methylphenol and 4-methylphenol.

d - Value is for total trihalomethanes - bromodichloromethane, bromoform, chloroform, and dibromochloromethane.

µg/L - micrograms per liter

MCL - Safe Drinking Water Act Maximum Contamination Level (USEPA, 2009)

NA - Not applicable or not analyzed

RSL - Regional Screening Level for Tap Water (USEPA, May 2016)

**Table 2**  
**Groundwater Analytical Results**  
**2nd and 3rd Quarter 2016 Sampling Events**  
*Polynt Composites USA, Inc. - North Kansas City, Missouri*

		Semivolatile Organic Compounds (ug/L)									Semivolatile/Volatile (ug/L)
		2,4-Dimethylphenol	2-Methylnaphthalene	3/4-Methylphenol	Acenaphthylene	Bis(2-ethylhexyl)phthalate	Di-n-butyl phthalate	Naphthalene	Phenanthrene	Phenol	1,4-Dioxane
Groundwater Screening Level		360	36	930c	—	6	900	0.17	—	5,800	0.46
Screening Level Source		RSL	RSL	RSL		MCL	RSL	RSL		RSL	RSL
Shallow Monitoring Wells											
MW-1/GW24	6/28/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
MW-1/GW25	9/20/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
MW-2A/GW24	6/29/2016	0.20 U	<b>0.33</b>	<b>9.0</b>	0.10 UJ	0.20 U	0.20 U	0.10 U	0.10 U	<b>0.38</b>	<b>6.9</b>
MW-2A/GW25	9/21/2016	0.20 U	0.10 U	0.20 U	0.10 U	0.20 U	0.20 U	0.10 U	0.10 U	0.20 U	<b>2.7</b>
MW-3/GW24	6/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
MW-3/GW25	9/20/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
MW-4/GW24	6/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
MW-4/GW25	9/19/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
MW-5/GW24	6/28/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
MW-5/GW25	9/20/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
MW-6/GW24	6/28/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
MW-6/GW25	9/20/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
MW-7/GW24	6/28/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>0.68</b>
MW-7/GW25	9/21/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
MW-8/GW24	6/30/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>5.4</b>
MW-8/GW25	9/22/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>2.3</b>
MW-9/GW24	6/30/2016	<b>16</b>	<b>0.77</b>	0.20 U	0.10 U	<b>0.17 J</b>	0.20 U	<b>3.3 J</b>	<b>0.036 J</b>	0.20 U	0.20 U
S99-DS/GW24 (Dup)	6/30/2016	<b>16</b>	0.10 U	0.20 U	0.10 U	<b>0.26</b>	0.20 U	<b>2.5 J</b>	0.10 U	0.20 U	0.20 U
MW-9/GW25	9/22/2016	<b>18</b>	<b>0.95</b>	0.20 U	0.10 U	0.20 U	0.20 U	<b>34</b>	0.10 U	0.20 U	0.20 U
MW-10/GW24	6/30/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>580</b>
MW-11/GW24	6/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
MW-11/GW25	9/20/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
MW-12/GW24	6/29/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>0.28</b>
MW-12/GW25	9/21/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
MW-13/GW24	6/29/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
MW-13/GW25	9/22/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>2.3</b>
MW-14/GW24	6/29/2016	0.20 U	0.10 U	0.20 U	0.10 U	0.20 U	<b>0.11 J</b>	0.10 U	0.10 U	0.20 U	0.20 U
MW-14/GW25	9/21/2016	0.20 U	<b>0.082 J</b>	0.20 U	0.10 U	<b>0.078 J</b>	<b>0.028 J</b>	<b>0.17</b>	0.10 U	0.20 U	0.20 U

**Table 2**  
**Groundwater Analytical Results**  
**2nd and 3rd Quarter 2016 Sampling Events**  
*Polynt Composites USA, Inc. - North Kansas City, Missouri*

		Semivolatile Organic Compounds (ug/L)									Semivolatile/Volatile (ug/L)
		2,4-Dimethylphenol	2-Methylnaphthalene	3/4-Methylphenol	Acenaphthylene	Bis(2-ethylhexyl)phthalate	Di-n-butyl phthalate	Naphthalene	Phenanthrene	Phenol	1,4-Dioxane
Groundwater Screening Level		360	36	930c	—	6	900	0.17	—	5,800	0.46
Screening Level Source		RSL	RSL	RSL		MCL	RSL	RSL		RSL	RSL
<b>Intermediate Monitoring Wells</b>											
MW-9D/GW24	6/30/2016	0.20 U	0.10 U	0.20 U	<b>0.039 J</b>	<b>0.056 J</b>	<b>0.045 J</b>	<b>0.065 J</b>	0.10 U	0.20 U	<b>7.1</b>
MW-9D/GW25	9/22/2016	0.20 U	<b>0.10</b>	0.20 U	0.10 U	0.20 U	0.20 JU	<b>0.21</b>	0.10 U	0.20 U	<b>17 J</b>
S99-DS2/GW25 (Dup)	9/22/2016	0.20 U	0.10 U	0.20 U	0.10 U	0.20 U	0.20 U	0.10 U	0.10 U	0.20 U	<b>21 J</b>
MW-10D/GW24	7/1/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>1.7</b>
MW-10D/GW25	9/22/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>8.8</b>
<b>Deep Monitoring Wells</b>											
MW-12DD/GW24	6/29/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
MW-12DD/GW25	9/21/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
MW-13DD/GW24	6/30/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
MW-13DD/GW25	9/22/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
MW-15DD/GW24	6/28/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
S99-DS3/GW24 (Dup)	6/28/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
MW-15DD/GW25	9/20/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
S99-DS3/GW25 (Dup)	9/20/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
MW-16DD/GW24	6/28/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U
MW-16DD/GW25	9/20/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U

**Notes:**

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b - Value is for 1,3-Dichloropropene, isomer not specified.

c - Value is for 4-methylphenol. Lab could not isolate 3-methylphenol and 4-methylphenol.

d - Value is for total trihalomethanes - bromodichloromethane, bromoform, chloroform, and dibromochloromethane.

µg/L - micrograms per liter

MCL - Safe Drinking Water Act Maximum Contamination Level (USEPA, 2009)

NA - Not applicable or not analyzed

RSL - Regional Screening Level for Tap Water (USEPA, May 2016)

**Table 2**  
**Groundwater Analytical Results**  
**2nd and 3rd Quarter 2016 Sampling Events**  
*Polynt Composites USA, Inc. - North Kansas City, Missouri*

		Volatile Organic Compounds (ug/L)									
		1,1,2,2-Tetrachloroethane	1,1-Dichloroethane	1,2-Dichloroethane	4-Methyl-2-pentanone	Acetone	Benzene	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene
Groundwater Screening Level		0.076	2.8	5	6,300	14,000	5	80d	190	70	0.47b
Screening Level Source		RSL	RSL	MCL	RSL	RSL	MCL	MCL	RSL	MCL	RSL
Shallow Monitoring Wells											
MW-1/GW24	6/28/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	20	1.0 U
MW-1/GW25	9/20/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.2	3.9	1.0 U
MW-2A/GW24	6/29/2016	1.0 U	1.0 U	1.0 U	2.0 U	7.1	0.47 J	1.4	1.0 U	1.0 U	1.3
MW-2A/GW25	9/21/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	0.65 J	1.0 U	1.0 U	1.0 U	1.0 U
MW-3/GW24	6/27/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
MW-3/GW25	9/20/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.3	1.0 U	1.0 U
MW-4/GW24	6/27/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
MW-4/GW25	9/19/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	0.70 J	1.0 U	1.0 U
MW-5/GW24	6/28/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	13	1.0 U
MW-5/GW25	9/20/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	5.6	1.0 U
MW-6/GW24	6/28/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.4	1.0 U	1.0 U	1.0 U	2.6	1.0 U
MW-6/GW25	9/20/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.1	1.0 U	1.0 U
MW-7/GW24	6/28/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	8.5	1.0 U
MW-7/GW25	9/21/2016	1.0 U	1.0 U	1.0 U	2.0 U	9.1	1.0 U	1.0 U	1.9	5.5	1.0 U
MW-8/GW24	6/30/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
MW-8/GW25	9/22/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
MW-9/GW24	6/30/2016	5.0 U	5.0 U	5.0 U	10 U	10 U	7.6	5.0 U	5.0 U	5.0 U	5.0 U
S99-DS/GW24 (Dup)	6/30/2016	5.0 U	5.0 U	5.0 U	10 U	61	8.1	5.0 U	5.0 U	5.0 U	5.0 U
MW-9/GW25	9/22/2016	10 U	10 U	10 U	20 U	20 U	11	10 U	10 U	10 U	10 U
MW-10/GW24	6/30/2016	10 U	10 U	10 U	1,400	20 U	7.2 J	10 U	10 U	10 U	10 U
MW-11/GW24	6/27/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
MW-11/GW25	9/20/2016	1.0 U	1.0 U	1.0 U	2.0 U	4.6	1.0 U	1.0 U	2.1	1.0 U	1.0 U
MW-12/GW24	6/29/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
MW-12/GW25	9/21/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.1	1.0 U	1.0 U
MW-13/GW24	6/29/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
MW-13/GW25	9/22/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
MW-14/GW24	6/29/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
MW-14/GW25	9/21/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	0.64 J	1.0 U	1.0 U



**Table 2**  
**Groundwater Analytical Results**  
**2nd and 3rd Quarter 2016 Sampling Events**  
*Polynt Composites USA, Inc. - North Kansas City, Missouri*

		Volatile Organic Compounds (ug/L)									
		1,1,2,2-Tetrachloroethane	1,1-Dichloroethane	1,2-Dichloroethane	4-Methyl-2-pentanone	Acetone	Benzene	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene
Groundwater Screening Level		0.076	2.8	5	6,300	14,000	5	80d	190	70	0.47b
Screening Level Source		RSL	RSL	MCL	RSL	RSL	MCL	MCL	RSL	MCL	RSL
Intermediate Monitoring Wells											
MW-9D/GW24	6/30/2016	1.0 U	1.0 U	1.0 U	2.0 U	<b>25</b>	1.0 U	1.0 U	1.0 U	<b>27</b>	1.0 U
MW-9D/GW25	9/22/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	<b>2.0</b>	1.0 U
S99-DS2/GW25 (Dup)	9/22/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	<b>1.7</b>	1.0 U
MW-10D/GW24	7/1/2016	1.0 U	1.0 U	1.0 U	2.0 U	<b>10</b>	1.0 U	1.0 U	1.0 U	<b>2.6</b>	1.0 U
MW-10D/GW25	9/22/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 JU	<b>0.48 J</b>	1.0 U
Deep Monitoring Wells											
MW-12DD/GW24	6/29/2016	1.0 U	1.0 U	1.0 U	2.0 U	<b>44</b>	1.0 U	1.0 U	<b>1.3</b>	<b>24</b>	1.0 U
MW-12DD/GW25	9/21/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	<b>1.1</b>	<b>0.90 J</b>	<b>20</b>	1.0 U
MW-13DD/GW24	6/30/2016	1.0 U	1.0 U	1.0 U	2.0 U	<b>40</b>	1.0 U	1.0 U	1.0 U	<b>8.2</b>	1.0 U
MW-13DD/GW25	9/22/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 JU	<b>9.6</b>	1.0 U
MW-15DD/GW24	6/28/2016	1.0 U	1.0 U	1.0 U	2.0 U	<b>36 J</b>	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
S99-DS3/GW24 (Dup)	6/28/2016	1.0 U	1.0 U	1.0 U	2.0 U	<b>27 J</b>	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
MW-15DD/GW25	9/20/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	<b>0.83 J</b>	<b>1.5</b>	1.0 U	1.0 U
S99-DS3/GW25 (Dup)	9/20/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	<b>1.2</b>	<b>0.62 J</b>	1.0 U	1.0 U
MW-16DD/GW24	6/28/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
MW-16DD/GW25	9/20/2016	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	<b>0.64 J</b>	<b>1.2</b>	<b>1.0</b>	1.0 U	1.0 U

Notes:

Only constituents detected in 2016 Sampling Events, or Sampling Events previous to this year are presented on this table.

Data Qualifiers are described on Table 5-2.

Bold - Parameter was detected.

Shading - Value exceeds the screening level.

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2. If a parameter does not have an MCL, data is screened using the RSL.

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c - Value is for 4-methylphenol. Lab could not isolate 3-methylphenol and 4-methylphenol.

d - Value is for total trihalomethanes - bromodichloromethane, bromoform, chloroform, and dibromochloromethane.

µg/L - micrograms per liter

MCL - Safe Drinking Water Act Maximum Contamination Level (USEPA, 2009)

NA - Not applicable or not analyzed

RSL - Regional Screening Level for Tap Water (USEPA, May 2016)

**Table 2**  
**Groundwater Analytical Results**  
**2nd and 3rd Quarter 2016 Sampling Events**  
*Polynt Composites USA, Inc. - North Kansas City, Missouri*

		Volatile Organic Compounds (ug/L)							
		Ethylbenzene	Methyl tertiary-butyl ether	Styrene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
Groundwater Screening Level		700	14	100	1,000	100	5	2	10,000
Screening Level Source		MCL	RSL	MCL	MCL	MCL	MCL	MCL	MCL
Shallow Monitoring Wells									
MW-1/GW24	6/28/2016	1.0 U	1.0 U	1.0 U	1.0 U	0.57 J	1.0 U	0.45 J	3.0 U
MW-1/GW25	9/20/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U
MW-2A/GW24	6/29/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.98 J
MW-2A/GW25	9/21/2016	0.71 J	1.0 U	1.0 U	2.0	1.0 U	1.0 U	1.0 U	3.5
MW-3/GW24	6/27/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U
MW-3/GW25	9/20/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U
MW-4/GW24	6/27/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U
MW-4/GW25	9/19/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U
MW-5/GW24	6/28/2016	1.0 U	1.0 U	1.0 U	1.0 U	0.48 J	1.8	1.0 U	3.0 U
MW-5/GW25	9/20/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.41 J	1.0 U	3.0 U
MW-6/GW24	6/28/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.40 J	1.0 U	3.0 U
MW-6/GW25	9/20/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U
MW-7/GW24	6/28/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U
MW-7/GW25	9/21/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U
MW-8/GW24	6/30/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U
MW-8/GW25	9/22/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U
MW-9/GW24	6/30/2016	410	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	760
S99-DS/GW24 (Dup)	6/30/2016	490	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	920
MW-9/GW25	9/22/2016	340	10 U	10 U	10 U	10 U	10 U	10 U	1,000
MW-10/GW24	6/30/2016	16,000	10 U	10 U	71	10 U	10 U	10 U	42,000
MW-11/GW24	6/27/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U
MW-11/GW25	9/20/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U
MW-12/GW24	6/29/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U
MW-12/GW25	9/21/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U
MW-13/GW24	6/29/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U
MW-13/GW25	9/22/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U
MW-14/GW24	6/29/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U
MW-14/GW25	9/21/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U

**Table 2**  
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**2nd and 3rd Quarter 2016 Sampling Events**  
*Polynt Composites USA, Inc. - North Kansas City, Missouri*

		Volatile Organic Compounds (ug/L)							
		Ethylbenzene	Methyl tertiary-butyl ether	Styrene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride	Xylenes, Total
Groundwater Screening Level		700	14	100	1,000	100	5	2	10,000
Screening Level Source		MCL	RSL	MCL	MCL	MCL	MCL	MCL	MCL
Intermediate Monitoring Wells									
MW-9D/GW24	6/30/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.1	1.0 U	9.4	3.0 U
MW-9D/GW25	9/22/2016	1.0 U	1.0 U	1.0 U	1.0 U	0.35 J	1.0 U	1.8	3.0 U
S99-DS2/GW25 (Dup)	9/22/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.5	3.0 U
MW-10D/GW24	7/1/2016	0.61 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U
MW-10D/GW25	9/22/2016	4.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	8.9
Deep Monitoring Wells									
MW-12DD/GW24	6/29/2016	1.0 U	1.0 U	1.0 U	0.48 J	0.65 J	1.0 U	1.0 U	3.0 U
MW-12DD/GW25	9/21/2016	1.0 U	1.0 U	1.0 U	0.49 J	0.56 J	1.0 U	1.0 U	3.0 U
MW-13DD/GW24	6/30/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U
MW-13DD/GW25	9/22/2016	1.0 U	1.0 U	1.0 U	0.40 J	1.0 U	1.0 U	1.0 U	3.0 U
MW-15DD/GW24	6/28/2016	1.0 U	1.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U
S99-DS3/GW24 (Dup)	6/28/2016	1.0 U	1.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U
MW-15DD/GW25	9/20/2016	1.0 U	1.5	1.0 U	0.38 J	1.0 U	1.0 U	1.0 U	3.0 U
S99-DS3/GW25 (Dup)	9/20/2016	1.0 U	1.6	1.0 U	0.34 J	1.0 U	1.0 U	1.0 U	3.0 U
MW-16DD/GW24	6/28/2016	1.0 U	1.0 U	1.0 U	1.5	1.0 U	1.0 U	1.0 U	3.0 U
MW-16DD/GW25	9/20/2016	1.0 U	1.0 U	1.0 U	1.2	1.0 U	1.0 U	1.0 U	3.0 U

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NA - Not applicable or not analyzed

RSL - Regional Screening Level for Tap Water (USEPA, May 2016)

**Table 3**  
**1st Quarter 2017 Groundwater Sampling Plan**  
*Polynt Composites USA, Inc. - North Kansas City, Missouri*

Sample Name	QA/QC Sample Type	Total Metals*	VOCs	SVOCs	1,4-Dioxane
		SW-846 6020A / 7470A	SW-846 8260B	SW-846 8270C	SW-846 8260B SIM
1st Quarter 2017 Sampling Event					
MW-1 / GW27		X	X		X
MW-2A / GW27		X	X	X	X
MW-2A / GW27MS	Matrix Spike	X	X	X	X
MW-2A / GW27MSD	Matrix Spike Duplicate	X	X	X	X
MW-3 / GW27		X	X		X
MW-4 / GW27		X	X		X
MW-5 / GW27		X	X		X
MW-6 / GW27		X	X		X
MW-7 / GW27		X	X		X
MW-8 / GW27		X	X		X
MW-9 / GW27		X	X	X	X
MW-9D / GW27		X	X	X	X
MW-10 / GW27		X	X		X
MW-10D / GW27		X	X		X
MW-11 / GW27		X	X		X
MW-12 / GW27		X	X		X
MW-12DD / GW27		X	X		X
MW-13 / GW27		X	X		X
MW-13DD / GW27		X	X		X
MW-14 / GW27		X	X	X	X
MW-15DD / GW27		X	X		X
MW-16DD / GW27		X	X		X
IDW-1 / GW27	Investigation Derived Waste	X	X	X	X
S99-DS / GW27	Field Duplicate of MW-9	X	X	X	X
S99-DS2 / GW27	Field Duplicate of MW-15DD	X	X		X
TB / Date	Trip Blank		X		

SIM = Selective Ion Monitoring  
SVOC = Semivolatile Organic Compound  
VOC = Volatile Organic Compound

MS/MSD = Matrix Spike / Matrix Spike Duplicate  
Metals = Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver, and Manganese.

\* If turbidity < 50 NTUs is not achievable, additional sample volume will be field filtered and submitted for dissolved metals analysis.